

Error concerning esmf_initmacrosmodule.mod ...

[schaffec](#) 17 posts since

Aug 1, 2008 Hello,

I am trying to build the LIS 5.0 executable, but when I try to compile the LIS source code I receive the following error:

PGF90-F-0004-Unable to open MODULE file esmf_initmacrosmodule.mod
(../dataassim/obs/AMSR_Esm/AMSR_Esmobs_module.F90: 37)

This is the only error, and it prevents the compilation. Line 37 of AMSR_Esmobs_module.F90 is just "implicit none," which shouldn't cause any problems. I'm using ESMF Version 2.2.2rp3 and I used the configure.lis.linux_pgi file (which I renamed "configure.lis" once it was moved to the make directory). Does anyone know what this error suggests?

Thanks!

Chris Tags: esmf, build, executable, 5.0, lis

[sujay](#) 118 posts since

Sep 20, 2007 **1. Re: Error concerning esmf_initmacrosmodule.mod** Aug 4, 2008 11:24 AM

Chris,

Can you provide some more information:

- 1) which platform are you using?
- 2) compiler version
- 3) Are you building LIS as a serial executable or have you enabled MPI- support?
- 4) your configure.lis file.

Thanks,

-S

[schaffec](#) 17 posts since

Aug 1, 2008 **2. Re: Error concerning esmf_initmacrosmodule.mod** Aug 4, 2008 11:55 AM

in response to: [sujay](#)

Hello,

I'm using Linux with portland compiler (below are the specifics)

Rocks release 4.1.1-1.0 x86_64

pgf90 6.1-6 64-bit target on x86-64 Linux

pgf90 6.2-5 64-bit target on x86-64 Linux

I'm building LIS with MPI-support enabled, and I have attached my configure.lis file.

Thanks!

Chris **Attachments:**

- [configure.lis.linux_pgi](#) (987 bytes)

Error concerning esmf_initmacrosmod.mod ...

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Aug 1, 2008 **3. Re: Error concerning esmf_initmacrosmod.mod** Aug 6, 2008 11:58 AM

in response to: [schaffec](#)

Thanks, the error has been fixed. The error occurred because I had originally tried building the LIS executable with the ESMFv3.1.0rp1, but then later tried the build with the correct version (ESMF2.2.2rp3). Even though I directed the build to look for modules for the correct ESMF version, part of it still must have been trying to look for ESMFv3.1.0rp1 modules, and this was causing the error. I checked out LIS 5.0 to a new directory and rebuilt it, and the executable was created successfully.

Thanks again!

Chris